Connecting via Winsock to STN

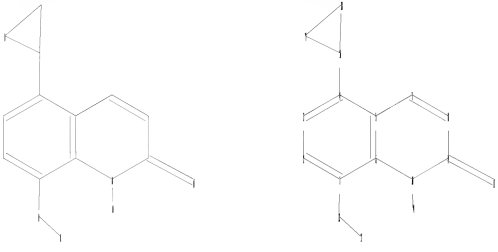
Welcome to STN International! Enter x:x

L * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:59:48 ON 22 SEP 2008

=> file reg

=>
Uploading C:\Program Files\Stnexp\Queries\11.str

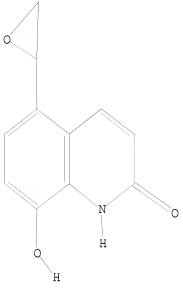


chain nodes :
11 12 13 14
ring nodes :
1 2 3 4 5 6 7 8 9 10 16 17 18
chain bonds :
1-12 4-16 9-11 10-14 12-13
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 16-17 16-18 17-18
exact/norm bonds :
1-12 5-7 6-10 7-8 8-9 9-10 9-11 16-17 16-18 17-18
exact bonds :
4-16 10-14 12-13
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:CLASS 12:CLASS 13:CLASS 14:CLASS 16:CLASS 17:CLASS 18:Atom

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sam
SAMPLE SEARCH INITIATED 14:00:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 357 TO ITERATE

100.0% PROCESSED 357 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6007 TO 8273
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

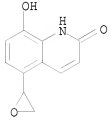
=> s l1 full
FULL SEARCH INITIATED 14:00:23 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 8317 TO ITERATE

100.0% PROCESSED 8317 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

L3 2 SEA SSS FUL L1

=> d scan

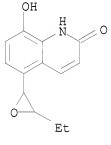
L3 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2(1H)-Quinolinone, 8-hydroxy-5-oxiranyl- (9CI)
MF C11 H9 N O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2(1H)-Quinolinone, 5-(3-ethyloxiranyl)-8-hydroxy- (9CI)
MF C13 H13 N O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file ca

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	178.36	178.57

FILE 'CA' ENTERED AT 14:00:31 ON 22 SEP 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 18 Sep 2008 VOL 149 ISS 13
FILE LAST UPDATED: 18 Sep 2008 (20080918/ED)

CA now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d his

(FILE 'HOME' ENTERED AT 13:59:48 ON 22 SEP 2008)

FILE 'REGISTRY' ENTERED AT 14:00:04 ON 22 SEP 2008
L1 STRUCTURE UPLOADED
L2 0 S L1 SAM
L3 2 S L1 FULL

FILE 'CA' ENTERED AT 14:00:31 ON 22 SEP 2008

=> s l3
L4 4 L3

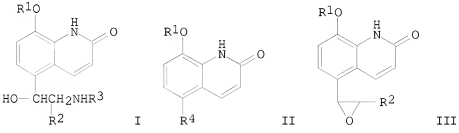
=> s l3/p
L5 3 L3/P

=> d ibib abs fhitstr 1-3

L5 ANSWER 1 OF 3 CA COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 106:67139 CA
ORIGINAL REFERENCE NO.: 106:11039a,11042a
TITLE: Process for the preparation of substituted quinolones
INVENTOR(S): Arin Abad, Maria Jesus; Cossent Aguinaco, Isaac; Fernandez Martin, Juan Antonio
PATENT ASSIGNEE(S): Astur Pharma, Spain
SOURCE: Span., 10 pp.
CODEN: SPXXAD
DOCUMENT TYPE: Patent
LANGUAGE: Spanish
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ES 549575	A1	19860316	ES 1985-549575	19851204
PRIORITY APPLN. INFO.:			ES 1985-549575	19851204

GI

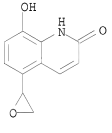


AB Antihistaminic and antiasthmatic quinolone derivs. I [R1 = H, alkyl, aralkyl; R2 = H, alkyl; R3 = alkyl (preferably branched)] are prepared by Friedel-Crafts acylation of quinolones II (R4 = H) with a chloride or anhydride of R2CH2CO2H, reduction of the resultant II (R4 = COCH2R2) and subsequent dehydration with strong mineral acid, epoxidn. of the obtained II (R4 = CH:CHR2), and aminolysis of epoxides III with R3NH2. Examples of the acylation, reduction-dehydration, and epoxidn. gave yields of 87, 60, and 64%, resp. An example aminolysis of III (R1 = H, R2 = Et) with Me2CHNH2 gave 90% I (R1 = H, R2 = Et, R3 = CHMe2), i.e. procaterol.

IT 63170-00-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 63170-00-3 CA

CN 2(1H)-Quinolinone, 8-hydroxy-5-oxiranyl- (9CI) (CA INDEX NAME)



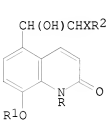
L5 ANSWER 2 OF 3 CA COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:	87:53099 CA
ORIGINAL REFERENCE NO.:	87:8411a,8414a
TITLE:	5-[(2-Halo-1-hydroxy)alkyl]carbostyril derivatives
INVENTOR(S):	Nakagawa, Kazuyuki; Yoshizaki, Shiro; Tanimura, Kaoru; Tamada, Shigeharu
PATENT ASSIGNEE(S):	Otsuka Pharmaceutical Co., Ltd., Japan
SOURCE:	Jpn. Kokai Tokkyo Koho, 6 pp. CODEN: JKXXAF

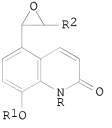
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 51136679	A	19761126	JP 1975-60055	19750519
JP 59006861	B	19840215		

PRIORITY APPLN. INFO.: JP 1975-60055 A 19750519
GI

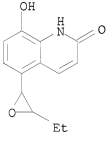


I



III

AB The carbostyrils I [R, R1, R2, X = H, H, H, H, Br (II); Me, Me, Et, Cl] were prepared by reaction of oxiranylcarbostyrils III with HX. Thus, 5-(1,2-epoxybutyl)-8-hydroxycarbostyril in 47% aqueous HBr was stirred 4 h at 80° to give II.
IT 63169-99-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and ring cleavage of, by hydrogen bromide)
RN 63169-99-3 CA
CN 2(1H)-Quinolinone, 5-(3-ethyloxiranyl)-8-hydroxy- (9CI) (CA INDEX NAME)

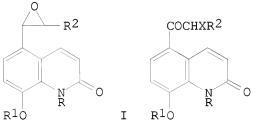


L5 ANSWER 3 OF 3 CA COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 87:39300 CA
ORIGINAL REFERENCE NO.: 87:6195a,6198a
TITLE: 5-(1,2-Epoxyalkyl)carbostyril derivatives
INVENTOR(S): Nakagawa, Kazuyuki; Yoshizaki, Shiro; Tanimura, Kaoru; Tamada, Shigeharu
PATENT ASSIGNEE(S): Otsuka Pharmaceutical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

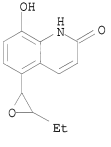
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 51136680	A	19761126	JP 1975-60056	19750519
JP 59006862	B	19840215		

PRIORITY APPLN. INFO.: JP 1975-60056 A 19750519
GI



I II

AB 5-(1,2-Epoxy)carbostyril derivs. I [(R, R1, R2 = H, H, Pr (II); Me, Me, Me] were prepared by reduction of III (X = halo). Thus, 2.2 g NaBH4 in 20 ml 10% aqueous NaOH was added to 6.2 g 5-(α-bromobutyryl)-8-hydroxycarbostyril in MeOH with ice cooling and the mixture stirred 4 h at room temperature to give 2.7 g II.
IT 63169-99-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 63169-99-3 CA
CN 2(1H)-Quinolinone, 5-(3-ethyloxiranyl)-8-hydroxy- (9CI) (CA INDEX NAME)

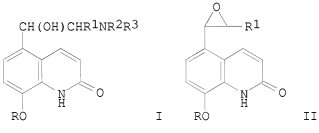


=> d his

(FILE 'HOME' ENTERED AT 13:59:48 ON 22 SEP 2008)

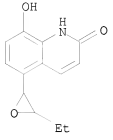
FILE 'REGISTRY' ENTERED AT 14:00:04 ON 22 SEP 2008
L1 STRUCTURE UPLOADED

```
L2             0 S L1 SAM
L3             2 S L1 FULL

     FILE 'CA' ENTERED AT 14:00:31 ON 22 SEP 2008
L4             4 S L3
L5             3 S L3/P

=> s l4 not l5
L6             1 L4 NOT L5

=> d ibib abs fhitstr

L6   ANSWER 1 OF 1  CA  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:          87:68179  CA
ORIGINAL REFERENCE NO.:    87:10849a,10852a
TITLE:                     5-[(2-Alkylamino-1-hydroxy)alkyl]carbostyril
                           derivatives
INVENTOR(S):               Nakagawa, Kazuyuki; Yoshizaki, Shiro; Tanimura, Kaoru;
                           Tamada, Shigeharu
PATENT ASSIGNEE(S):        Otsuka Pharmaceutical Co., Ltd., Japan
SOURCE:                    Jpn. Kokai Tokkyo Koho, 8 pp.
                           CODEN: JKXXAF
DOCUMENT TYPE:             Patent
LANGUAGE:                  Japanese
FAMILY ACC. NUM. COUNT:    1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.          DATE
     ----------          ----   --------    -------------------      --------
     JP 51136678          A     19761126    JP 1975-60054            19750519
     JP 59006860          B     19840215
PRIORITY APPLN. INFO.:                      JP 1975-60054       A    19750519
GI
```




```
AB   Nine title derivs. I (R = H, Me; R1 = H, Et; NR2R3 = Me2CHNH, EtNH,
     PhCHMeNH, cyclohexylamino, piperidino, morpholino, etc.) were prepared by
     treating II with HNR2R3.  I are bronchodilating, vasodilating, or
     hypotensive agents (no data).  Thus, 3.0 g 5-(1,2-epoxybutyl)-8-
     hydroxycarbostyril in MeOH was stirred with 10 mL iso-PrNH2 5 h at
     60° to give, after treatment with HCl, 0.6 g I.HCl (R1 = Et, R2 =
     iso-Pr, R = R3 = H).
IT   63169-99-3
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (amination of)
```

RN 63169-99-3 CA
CN 2(1H)-Quinolinone, 5-(3-ethyloxiranyl)-8-hydroxy- (9CI) (CA INDEX NAME)



=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

STN INTERNATIONAL LOGOFF AT 14:01:58 ON 22 SEP 2008